

1 BILL NO. S-81-10- 42

2 SPECIAL ORDINANCE NO. S-

243-81

3 AN ORDINANCE approving Change Order
4 No. 18R, in connection with the
5 Water Filtration Plant.

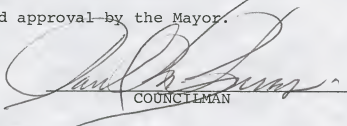
6 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF
7 FORT WAYNE, INDIANA:

8 SECTION 1. That Change Order No. 18R to McNamee,
9 Porter and Seeley, in connection with the Water Filtration
10 Contract 77-W-2, for:

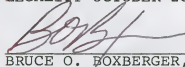
11 Some fifteen additional improvements not
12 specified in the original contract which
should be installed to operate the facility
more efficiently,

13 in the amount of \$96,508.00, as set out in the specifications,
14 which are on file in the office of the Board of Public Works
15 and are by reference incorporated herein and made a part hereof,
16 be and the same is hereby in all things ratified, confirmed
17 and approved.

18 SECTION 2. That this Ordinance shall be effective from
19 and after its passage and approval by the Mayor.

20 
21
22 COUNCILMAN

23 APPROVED AS TO FORM AND
24 LEGALITY OCTOBER 23, 1981.

25 
26 BRUCE O. FOXBERGER, CITY ATTORNEY

Read the first time in full and on motion by Burns, seconded by Salinas, and duly adopted, read the second time by title and referred to the Committee City Yards (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, 19____, at _____ o'clock _____ M., E.S.T.

DATE: 10-27-81

Charles W. Westerman
CHARLES W. WESTERMAN
CITY CLERK

Read the third time in full and on motion by Burns, seconded by Salinas, and duly adopted, placed on its passage. PASSED (lost) by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	<u>9</u>	<u>0</u>	_____	_____	_____
BURNS	<u>X</u>	_____	_____	_____	_____
EISBART	<u>X</u>	_____	_____	_____	_____
GIAQUINTA	<u>X</u>	_____	_____	_____	_____
NUCKOLS	<u>X</u>	_____	_____	_____	_____
SCHMIDT, D.	<u>X</u>	_____	_____	_____	_____
SCHMIDT, V.	<u>X</u>	_____	_____	_____	_____
SCHOMBURG	<u>X</u>	_____	_____	_____	_____
STIER	<u>X</u>	_____	_____	_____	_____
TALARICO	<u>X</u>	_____	_____	_____	_____

DATE: 11-10-81

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL) (APPROPRIATION) ORDINANCE (RESOLUTION) No. S-243-81 on the 10th day of November, 1981.

ATTEST:

(SEAL)

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

John Nuckols
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 12th day of November, 1981, at the hour of 10:00 o'clock PM M., E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 17th day of November 1981, at the hour of 1:00 o'clock PM M., E.S.T.

Winfield C. Moses, Jr.
WINFIELD C. MOSES, JR.
MAYOR

BILL NO. S-81-10-42

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN
ORDINANCE approving Change Order No. 18R, in connection with the
Water Filtration Plant

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE go PASS.

PAUL M. BURNS, CHAIRMAN

Paul M. Burns

VIVIAN G. SCHMIDT, VICE CHAIRMAN

Vivian G. Schmidt

BEN A. EISBART

Ben A. Eisbart

SAMUEL J. TALARICO

Samuel J. Talarico

ROY J. SCHOMBURG

Roy J. Schomburg

CONCURRED IN
DATE 11-10-81 CHARLES W. WESTERMAN, CITY CLERK

Memorandum

To Board of Public Works Date 10/20/81
From Philip R. Boller, Director of Water Resources
Subject Change Order No. 18R, Contract 77-W-2

COPIES TO:

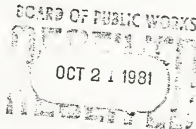
Glen Patrick

Attached please find six copies of Change Order No. 18R for the above project. Fifteen (15) additional items are needed at the Water Filtration Plant and they are being processed under this Change Order. These items were not included in the original contract.

I recommend Board of Public Works approval for this Change Order No. 18R. Also attached please find copy of letter dated October 19, 1981 from McNamee Porter & Seeley documenting Change Order No. 18R. Please return the signed copies of the Change Order to my office for distribution. Thank you.

Philip R. Boller

APPROVED
Board of Public Works
*To Mr. Anderson
By R. Collins*





McNamee, Porter and Son

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

ACTIVE PARTNERS
J. H. HOLLAND D. H. HOLLAND, JR. R. W. FORCE
W. B. VAN DYKE S. C. WARTHBREE R. J. SMIT
R. H. RACHTEAL R. F. BATTEN R. C. YOUNG
RETAINED PARTNERS
R. L. MCNAMEE W. S. HERBERT J. C. STEELY

October 19, 1981

OCT 29 1981

Mr. Philip R. Boller, P.E.
Director of Water Resources
City-County Bldg.
One Main Street
Fort Wayne, IN 46802

RE: City of Fort Wayne, IN
Water Works Improvements
Filtration Plant Additions
Conditional Close out Change
Order No. 18R
Contract 77-W-2

Dear Mr. Boller:

We submit the following documentation concerning Conditional Close Out Change Order No. 18R to the above project.

This conditional close out change order is in response to Bulletin 16 and 17 originally issued in connection with Contract 77-W-2. It is also in response to a request for a quotation on changing the soda ash rotary feeders.

- Item 1 This changes the rotary feeder of the pneumatic conveying system. Originally, this equipment was specified to handle 40 pound/cubic foot soda ash. After installation the soda ash was discovered to be delivered at 62 pounds/cubic foot. This change will enable the pneumatic conveyor to better handle the soda ash delivered.
- Item 3a The checker plate is being added to cover an opening provided for a future underwater burner in the secondary recarbonation tank of Plant No. 3.
- Item 3b Flushing hose bibbs are being added. These are being added after consulting the plant personnel on the best locations for the hose bibbs needed to clean plant no. 3 during sludging operations.

Mr. Phillip R. Boller, P.E.
Director of Water Resources
October 19, 1981

PAGE TWO

- Item 3c A gravity louver is proposed to be installed at an exhaust fan that will primarily be used in the summer months. This louver will help retain heat when the fan does not run in the winter months.
- Item 3d The Monroe Street feeder main flow meter scale is to be changed from 0 to 30 MGD to 0 to 50 MGD. This change is required due to the pumping capacities through the Monroe Street main. Apparently, this flow meter capacity was changed after the last construction project by city personnel. This change did not show up in our records during the design.
- Item 4a Gratings are to be added at the pneumatic conveyor unloading hopper to prevent debris from getting into the conveyor. The covers for these hoppers were discovered, once installed, to prevent the cities current trackmobile from passing over the hoppers. These covers are to be modified to allow the trackmobile to pass.
- Item 4c Cylinders are being added to the knife gate valves that the manufacturer included in the pneumatic conveyors. These cylinders will allow remote operation of the gate valves. This remote operation will enable the system to be operated as originally intended, from the control panel on the first floor.
- Item 4d Vent piping is to be installed from the existing chemical day bins to the new chemical storage bins. These vents are needed to handle the air used in the pneumatic conveying system. Once the system was put into service it was apparent the existing vents were not adequate to handle the amount of air used in the new pneumatic system.
- Item 4e Another air compressor is to be added due to the large amount of high pressure air required at the pneumatic conveyors. Once the various pneumatic conveyor equipment shop drawings were submitted, the manufacturer elected to use pneumatic controls and operators exclusively; this was not apparent during design.
- Item 4h This is the electrical portion of the compressor installation (Item 9).

Mr. Philip R. Boller, P.E.
Director of Water Resources
October 19, 1981

PAGE THREE

- Item 4i This is the electrical portion of the knife gate cylinder installation (Item 7).
- Item 4j This is the control panel portion of the knife gate cylinder installation (Item 7).
- Item 5a At the city's request, we added shut off valves at the new liquid carbon dioxide location control panels. These will greatly ease maintenance on the local control panel.
- Item 5d/e Remote controls to start the underwater burners are to be installed that will enable the burners to be activated from the chemical building. Also some scales are being changed at the City's request to better suit the existing monitor process.
- Item 5b This is the electrical portion of the carbon dioxide instrument revisions (Item 14).

After discussions with Mr. Glen Patrick, the quotation for Bulletin No. 15 and 2 portions of Bulletin 17, will not be recommended. Bulletin No. 15 requested a quote for changing the feed rates of the soda ash feeders. This item cost is excessive considering the benefits to be gained. The items in Bulletin 17 to be omitted are instrumentation to the existing carbon dioxide carbals. The carbals, according to Mr. Patrick, will be phased out of the plant due to the success of the new liquid carbon dioxide system.

If you require additional information, please feel free to contact us.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY Thomas W. Larder A.D.K.
Thomas W. Larder

cc: Glen Patrick
Chuck Koons

TWL:ml

Hagerman/Shambaugh, Joint Venture
510 W. Washington Blvd.
Fort Wayne, IN 46853

October 19, 1981

RE: CONTRACT 77-W-2
Conditional Close Out Change Order No. 18R

1.	Change capacity of two soda ash feeders.	\$ 6,856.00
3a.	Add aluminum checkered plate (Bulletin #16)	542.00
3b.	Add flushing hose bibbs (Bulletin #16)	5,982.00
3c.	Add gravity louvre (Bulletin #16)	55.00
3d.	Add a Monroe Flow Meter (Bulletin #16)	3,161.00
4a.	New grates & modification to Hopper Covers (Bulletin #17)	5,396.00
4c.	Add operating cylinders to knife gates (Bulletin #17)	10,004.00
4d.	System vent piping (Bulletin #17)	17,183.00
4e.	Add air compressor (Bulletin #17)	18,855.00
4h.	Electrical work for third air compressor (Bulletin #17)	9,175.00
4i.	Control wiring for six knife gates (Bulletin #17)	4,778.00
4j.	Pneumatic conveyor instrumentation revisions (Bulletin #17)	5,757.00
5a.	Add new ball valves to Recarbonation System (Bulletin #17)	614.00
5d&e.	Instrumentation revisions for the Carbon Dioxide system (Bulletin #17)	4,319.00
5b.	Electrical for carbon dioxide system revision (Bulletin #17)	<u>3,831.00</u>
	TOTAL	\$96,508.00

McNAMEE, PORTER AND SEELEY

BY


John M. Holland

Hagerman/Shambaugh, Joint Venture

RE: CONTRACT 77-W 2 ()
Conditional Close Out Change Order No. 18R

ACCEPTED:

DATE

10/20/81

CONTRACTOR: HAGERMAN / SHAMBAUGH, JOINT VENTURE

BY:

RECOMMENDED:

DATE

Oct. 20, 1981

CITY ENGINEER

DIRECTOR OF WATER
RESOURCES DIV.

APPROVED &
ADOPTED

DATE

BOARD OF PUBLIC WORKS

BY

(Chairman)

ATTEST:

Clerk Board of Public Works

Conditions of this Change Order are
as specified in letter dated 9/8/81
Revised 10/15/81

DISTRIBUTION:

City - 2 ✓

Contractor - 2

MP&S - 1

Res. Engr. - 2

Glen Patrick - 1 (info.)

File - 1

ADK - 1

Hagerman Construction Corporation

GENERAL CONTRACTORS



Office: 510 West Washington Blvd. Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

September 8, 1981 (Revised October 15, 1981)

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Re: Water Works Improvements
Fort Wayne, Indiana

Gentlemen:

Please note attached our quotations on Bulletins 15, 16 and 17 (Parts I and II) plus the extra for the Bin Rotary Feeders as verbally requested by the Engineers.

Our quote is based on leaving one trailer on the site parked in a convenient place on the asphalt so we can plug into the City's power (in building) until the work is completed, as it appears, approximately 20 weeks after notice to proceed.

Due to the large amount of equipment and materials that are subject to escalation, these prices will be void if not accepted on or before November 15, 1981.

Another condition of this proposal is that the shop drawing approval, with the exception of the compressor unit, will be waived as a requirement for release of manufacture.

It is our understanding that these quotations are handled as a separate project from the contract now finishing. These quotations include no costs for performance bond or builders risk insurance.

RECEIVED
OCT 19 1981
MCNAMEE, PORTER & SEELEY
BY _____

HAGERMAN CONSTRUCTION CORPORATION
FORT WAYNE, INDIANA

September 8, 1981 (Revised October 15, 1981)

2.

Water Works Improvements
Fort Wayne, Indiana

1. (Verbal - Tom Larder) Change capacity of two (2) Soda Ash Bin Feeders (Sprout-Waldron). Void previous quotations.

Mechanical:

Material	\$ 4,225.00	
Labor & Supervision	1,628.00	
Mark-up	878.00	
Total	\$ 6,731.00	\$ 6,731.00

General:

Painting	\$ 100.00	
Mark-up	25.00	
Total	\$ 125.00	\$ 125.00
		\$ 6,856.00

It is anticipated that all materials can be manufactured and delivered to the job in ten (10) weeks and work can be completed 12 weeks after notice to proceed. This proposal is based on the premise that the Owner will evacuate the bins prior to our commencing the work.

2. Bulletin 15a and 15b - Change the New Soda Ash Feeders (4) from 3000 to 1500 p.p.h., and the Scales on the Controllers.

DELETED

September 8, 1981 (Revised October 15, 1981)

3.

Water Works Improvements
Fort Wayne, Indiana

3. Bulletin 16 (Various Items Listed as a, b, c & d.)

a. Add Aluminum Checkered Plate.

Material	\$ 427.00
Labor	44.00
	<u>\$ 471.00</u>
Markup	71.00
Total	<u>\$ 542.00</u>

b. Add Flushing Hose Bibbs:

Mechanical:

Material	\$ 1,858.00	
Labor & Supervision	3,135.00	
Mark-up	749.00	
Total	<u>\$ 5,742.00</u>	\$ 5,742.00

General:

Painting	\$ 195.00	
Markup	45.00	
Total	<u>\$ 240.00</u>	\$ 240.00
Total		<u>\$ 5,982.00</u>

c. Add Gravity Louver:

Material	\$ 20.00
Labor & Supervision	30.00
Mark-up	5.00
Total	<u>\$ 55.00</u>

We estimate three (3) weeks to receive the materials and five (5) weeks to complete these two items after notice to proceed.

d. Monroe Flow Meter:

Sub-contract	\$ 758.00
Material	1,610.00
Labor & Supervision	381.00
Mark-up	412.00
Total	<u>\$ 3,161.00</u>

We estimate that it will take nine (9) weeks to receive the new instruments and 12 weeks to complete the work. Please note that this proposal includes a new transmitter as the existing instrument cannot be re-calibrated for the new flow range.

September 8, 1981 (Revised October 15, 1981)

4.

Water Works Improvements
Fort Wayne, Indiana

4. Bulletin 17, Part I, Proposed Changes to Pneumatic Conveying System.

a. and b. New Grates & Modifications to Hopper Covers.

Material	\$3,892.00
Labor	800.00
Markup	704.00
Total	<u>\$5,396.00</u>

c. Add Cylinder Operations, Limit Switches, etc. to Knife Gate Valves.
(also includes paragraph (f) Air Piping for same)

Mechanical:

Material	\$5,892.00	
Labor, Supervision & Engrg.	2,480.00	
Markup	1,257.00	
Total	<u>\$9,629.00</u>	\$ 9,629.00

General:

Painting	\$ 300.00	
Markup	75.00	
Total	<u>\$ 375.00</u>	\$ 375.00
		<u>10,004.00</u>

We estimate 8 weeks to receive all materials and 10 weeks to complete work after notice to proceed. The Limit Switches included in this proposal is DeZurik standard for this application.

d. System Vent Piping

Mechanical:

Sub-contract, Crane, etc.	\$1,288.00	
Material	5,720.00	
Labor, Supervision & Engrg.	7,535.00	
Markup	2,170.00	
Total	<u>\$16,713.00</u>	\$ 16,713.00

General:

Painting	\$ 375.00	
Markup	95.00	
Total	<u>\$ 470.00</u>	\$ 470.00
		<u>17,183.00</u>

We estimate the work will be completed four (4) weeks after notice to proceed.

HAGERMAN CONSTRUCTION CORPORATION
FORT WAYNE, INDIANA

September 8, 1981 (Revised October 15, 1981)

5.

Water Works Improvements
Fort Wayne, Indiana

4. e. Add Air Compressor, also includes paragraph (g) Air and Service Water Piping.

Mechanical:

Material	\$ 12,800.00	
Labor, Supervision & Engrg.	3,503.00	
Markup	<u>2,440.00</u>	
Total	\$ 18,743.00	\$ 18,743.00

General:

Painting	\$ 90.00	
Markup	<u>22.00</u>	
Total	\$ 112.00	\$ 112.00
		<u>\$ 18,855.00</u>

The compressor we are offering is a Sullair Model 12-50H with a 60 HP motor. Starter is not included herein.

It is anticipated that materials will be received in 14 weeks and work completed in 17 weeks after notice to proceed.

- h. Electrical work required for third air compressor shown on SE-3.

Electrical:

Labor	\$ 3,464.00	
Material	<u>4,514.00</u>	
Sub-contract	\$ 7,978.00	
Markup	<u>1,197.00</u>	
Total	\$ 9,175.00	

- i. Control wiring from panel CP-3 to each of six (6) knife gates.

Electrical:

Labor	\$ 2,742.00	
Material	<u>1,413.00</u>	
Sub-contract	\$ 4,155.00	
Markup	<u>623.00</u>	
Total	\$ 4,778.00	

September 8, 1981 (Revised October 15, 1981)

6.

Water Works Improvements
Fort Wayne, Indiana

4. j. Instrumentation Revisions (also includes paragraphs k and l).

Mechanical:

Sub-contracts	\$	1,640.00
Material		1,766.00
Labor, Supervision & Engrg.		1,600.00
Markup		<u>751.00</u>
Total	\$	<u>5,757.00</u>

It is anticipated that deliveries of materials will be made 8 weeks and work completed 10 weeks after notice to proceed.

Electrical work exterior to the panel is not included herein.

5. Bulletin 17, Part II, Proposed Changes to the Recarb System.

a. Provide and cut-in new ball valves in existing lines.

Mechanical:

Material	\$	95.00	
Labor & Supervision		385.00	
Markup		<u>72.00</u>	
Total	\$	<u>552.00</u>	\$ 552.00

General:

Painting	\$	50.00	
Markup		<u>12.00</u>	
Total	\$	<u>62.00</u>	\$ 62.00
Total			<u>614.00</u>

b. Electrical - Run 12 #14 from CP-4 to re-carbonation panels in Plants #1 and 2 (24 #14 total).

Electrical:

Labor	\$	2,327.00
Material		<u>1,004.00</u>
Sub-contract	\$	<u>3,331.00</u>
Markup		<u>500.00</u>
Total	\$	<u>3,831.00</u>

September 8, 1981 (Revised October 15, 1981)

7.

Water Works Improvements
Fort Wayne, Indiana

5. c. Run two signal cables from each Carbal Flow Transmitter to CP-4.

DELETED

d and e. Instrumentation.

Mechanical:

Subcontracts	\$	2,494.00	
Labor, Supervision & Engineering		1,160.00	
Markup		<u>546.00</u>	
Total	\$	4,200.00	\$ 4,200.00

General:

Painting	\$	95.00	
Markup		<u>24.00</u>	
Total	\$	119.00	\$ <u>119.00</u>
Total			\$ 4,319.00

We estimate 14 weeks for the delivery of materials, and 17 weeks to complete the work from the date of notice to proceed.

Electrical work exterior to the panel is not included herein.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By


Ralph E. Turner

RET:sw

c.c. Shambaugh & Son, Inc.

Shambaugh & Son

INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

*Bad
it's Shamb. letter
quoting dte only*

September 11, 1981

Hagerman Construction Corporation
P.O. Box 10690
Fort Wayne, IN 46853

Attention: Mr. Ralph Turner

Reference: City of Ft. Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Shambaugh Job #6272
Change Request #53, Revision #1

Gentlemen:

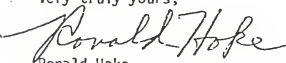
Per a telephone call from Tom Larder, he asked me to delete Item 46, f & g, from our quotation.

Our quotation for Item 46 d & e, adding eight (8) pushbuttons and changing 13 scales is as follows:

Subcontract	\$2,494
Labor, Supervision & Engineer	1,160
Mark-up	<u>546</u>
Total	\$4,200

Please note the \$2,408 lump sum deduct given in our quote letter of September 4, 1981, is no longer valid as Bulletin #15 and Carbal work on Bulletin #17, Part II, has been deleted.

Very truly yours,


Ronald Hoke
Project Manager

RH/tm

cc: ~~Tom Larder~~/McNamee, Porter & Seeley/Ann Arbor, MI
Duane Cryer/Shambaugh & Son/Jobsite
James F. Harvey/Shambaugh & Son/File

RECEIVED

SEP 14 1981

McNAMEE, PORTER & SEELEY

By _____

5469

2-81-10-42

TITLE OF ORDINANCE CHANGE ORDER 18R, WATER FILTRATION CONTRACT 77-W-2.

DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS

SYNOPSIS OF ORDINANCE CHANGE ORDER 18R TO THE WATER FILTRATION CONTRACT 77-W-2.

DURING THE COURSE OF THE CONSTRUCTION OF THE EXPANSION TO THE WATER FILTRATION
PLANT IT HAS BEEN JOINTLY DETERMINED BY OUR PLANT SUPERINTENDENT (MR. GLEN
PATRICK) AND OUR DESIGN ENGINEERS THAT SOME 15 ADDITIONAL IMPROVEMENTS NOT
SPECIFIED IN THE ORIGINAL CONTRACT SHOULD BE INSTALLED TO OPERATE THE FACILITY
MORE EFFICIENTLY. McNamee, Peter + Seely (Design Engineers)

EFFECT OF PASSAGE MORE EFFICIENT OPERATION OF THE WATER FILTRATION PLANT BY
ITS PERSONNEL.

EFFECT OF NON-PASSAGE CERTAIN EFFICIENCIES WITHIN THE PLANT OPERATION WILL NOT
BE ACCOMPLISHED.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) \$96,508.00 WHICH IS WITHIN THE
MONIES AVAILABLE FOR THE PLANT EXPANSION BOND ISSUE.

ASSIGNED TO COMMITTEE